

WHAT IS CLAIMED IS:

1. A device for covering openings in buildings the openings
5 having a frame and the device comprising:

a covering coupled to the frame;

at least one coupling for coupling said door to said frame;

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at least one rotatable handle, rotatably coupled to said
covering;

at least one rotatable shaft coupled to said rotatable
15 handle; at least one stationary shaft coupled to said rotatable
shaft ;

a plurality of gears, with at least one gear coupled to said
rotatable shaft and at least one additional gear coupled to said
20 stationary shaft wherein when a user grabs said handle, said at
least one rotatable shaft rotates with said at least one gear
rotating around said at least one additional gear on said at
least one stationary shaft causing said at least one covering to
rotate within said frame.

2. The device as in claim 1, further comprising at least one additional rotational shaft, wherein said at least one rotational shaft extends coaxially with said at least one rotational handle and said at least one additional rotational shaft is coupled to said at least one rotational shaft so that when said at least one rotational shaft rotates, it rotates said at least one additional rotational shaft.

3. The device as in claim 2, wherein said plurality of gears are bevel gears wherein at least one bevel gear is coupled to said at least one additional rotatable shaft..

4. The device as in claim 3, wherein said at least one rotational shaft has two ends and a bevel gear selected from said plurality of bevel gears, is coupled to both ends of said rotational shaft.

5. The device as in claim 4, further comprising a bevel gear fixedly coupled to the frame.

6. The device as in claim 5, further comprising a plurality of couplings for rotatably coupling said at least one shaft and said at least one additional rotational shaft to said covering.

7. The device as in claim 1, wherein said covering is a door.

8. The device as in claim 1, wherein said covering is a window.

9. The device as in claim 4, wherein said at least one shaft extends perpendicular to said at least one additional shaft.

10. The device as in claim 9, wherein said covering is a door and said at least one shaft is positioned at a top region of said door.

11. The device as in claim 9, wherein said covering is a door and said at least one shaft is positioned at a bottom region of said door.

12. The device as in claim 5, wherein said at least one shaft extends diagonally from said fixed bevel gear to said bevel gear coupled to said at least one additional shaft.

13. A device for covering openings having a frame in buildings comprising:

a covering coupled to the frame;

at least one hinge for coupling said covering to said frame;
at least one rotatable handle, rotatably coupled to said
5 covering;

at least one rotatable shaft coupled to said rotatable
handle;

10 and at least one stationary shaft coupled to said rotatable
shaft; a drive means for coupling said at least one stationary
shaft and said at least one rotatable shaft together said drive
means for rotating said handle when said covering rotates,
wherein when said covering rotates within the door frame, said at
15 least one rotatable shaft rotates around said at least one
stationary shaft using said drive means and causing said at least
one rotatable handle to rotate as said covering is rotating.

14. A door disposed in a door frame the door having a drive
20 device comprising:

at least one rotatable handle rotatably coupled to said
door;

at least one rotatable shaft fixedly coupled to said handle

and rotatably coupled to said door; at least one additional rotatable shaft rotatably coupled to said door;

at least one stationary shaft coupled to the frame;

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and a plurality of gears with at least one gear attached to each of said rotatable shaft, said additional rotatable shaft and said stationary shaft, so that when a user pulls on said handle, said rotatable shaft rotates with said additional rotatable shaft, wherein an additional rotatable shaft gear selected from said plurality of gears meshes with a stationary gear coupled to said stationary shaft so that as said handle rotates said door rotates as well.

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15. The device as in claim 14, wherein said at least one rotatable handle rotates on approximately a 2: 1 ratio with the door as the door rotates.

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16. The device as in claim 14, wherein when said user rotates said handle, the door rotates in response to said handle rotating.

17. The device as in claim 14, wherein said plurality of gears are disposed within at least one gear box.

18. The device as in claim 14, wherein said at least one gear box is coupled to said door.

19. The device as in claim 14, further comprising at least
5 two spur gears, with at least one spur gear coupled to said at least one rotatable shaft and at least one additional spur gear coupled to a shaft extending out of said at least one gear box wherein said at least one spur gear meshes with said at least one additional spur gear which turns said gears inside said gear box
10 turning said at least one additional rotatable shaft.

20. The device as in claim 14, wherein said at least two spur gears create an offset for said at least one rotatable shaft from said gear box to create an additional mechanical advantage
15 for said handle rotating said rotatable shaft.

21. The device as in claim 14, wherein said handle is an elongated handle extending a majority portion of a height of the door.

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22. The device as in claim 14, further comprising a plurality of curved handle supports coupled to said rotatable shaft and at least one U-shaped handle coupled to said curved handle supports.

23. A device for covering openings in buildings the openings having a frame, the device comprising:

5 a covering coupled to the frame; at least one coupling for coupling said door to said frame;

10 at least one movable handle, adjustably coupled to said covering; at least one adjustable shaft coupled to said movable handle ;

15 at least one stationary shaft coupled to said adjustable shaft; a plurality of gears, with at least one gear coupled to said adjustable shaft and at least one additional gear coupled to said stationary shaft wherein when a user pulls said handle, said at least one adjustable shaft moves wherein said at least one gear rotates along said at least one additional gear on said at least one stationary shaft causing said at least one covering to rotate within said frame.